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New HVAC system for more efficiency and ease of operation

Casino Zug, Zug/Switzerland

Casino Zug has a long tradition as a theatre and venue. More than a hundred years after it was first opened, a new building automation and control system including leading edge products from Siemens were installed in the popular Casino and its 30-year old extension building.

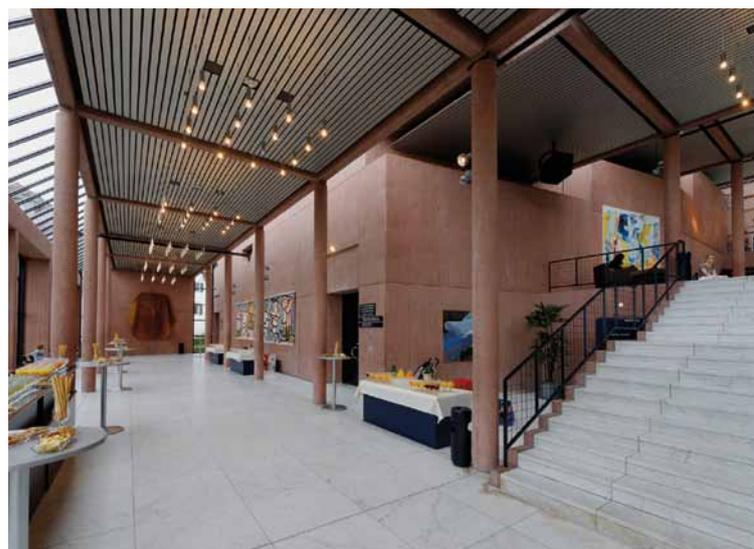
Casino Zug was constructed in 1907. In the decades that followed, the Casino played a significant role in the town's social and cultural life. As the town grew larger, there was a need to also have a more spacious Casino. So it was extended by a new building in 1981.

In 1999, the Casino became property of the city of Zug. As the owner and operator changed, a number of major retrofit and extension projects were carried out

in the last decade, making certain that the house would be able to offer a broad spectrum of attractive events in the future as well. Casino Zug offers a broad choice of halls, foyers, and conference rooms.

These can be used either individually or in combination, depending on the type and scope of the event. Also, the restaurant with its splendid lake-view terrace and the most modern banquet rooms provide ideal conditions for almost any kind of event!

Answers for infrastructure.



Casino Zug

The 30-year old HVAC system no longer satisfied today's requirements and had to be replaced. The customer wanted a system which was easy to use, both from a central and remote location.

Straightforward commissioning

The customer opted for the Synco™ 700 system from Siemens, which provides a suitable solution for any type of HVAC application through the use of pre-programmed standard applications: From primary plant (heating, ventilation, air conditioning, refrigeration) to individual room control and integration into electrical installations. These predefined and tested applications make it possible to commission the Casino's total of ten ventilation and air conditioning plants with no need for bothersome engineering.

More efficiency thanks to communication

Another benefit offered by the Synco 700 system is the communication capability of its controllers. KNX communication is used to automatically match the controllers (e.g. heat demand, plant operating states

or outside temperature). This enhances comfort and reduces energy consumption. With Synco 700, KNX also facilitates the connection between HVAC, lighting and blind control. The HVAC system and audio, video, and lighting are operated from the same touchpanels.

Cost-efficient operation

Thanks to the OZW775 Web server, the plant can be operated and monitored from any PC, any time, and from any location. The software used configures itself by automatically identifying the connected Synco devices. The alarm system delivers maintenance messages from the HVAC plant via e-mail or SMS. The Web server records all data received from the plant. This means that there is probably no more need for the janitor to make service visits at night or at weekends because he always carries with him the diagnostic device in the form of his laptop.

Synco convinces

The customer opted for Synco thanks to the system's optimized and efficient plant operation.

Highlights

- Preprogrammed and tested standard applications for easy and fast commissioning
- Efficient energy usage thanks to KNX communication
- Integration of different disciplines via KNX for more straightforward overview and more convenient operation
- Cost efficiency and ease of operation due to remote access
- Complete overview of the plant at any time and from everywhere using the Web server